

Message

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**From:** Zell, Christopher [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A7206BBB71FF41C999629B86CC25C7E4-ZELL, CHRIS]  
**Sent:** 10/9/2018 2:55:19 PM  
**To:** Nickel, Brian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9483559e89d34e6d96093e7f5f811f72-Nickel, Brian]  
**Subject:** RE: Conversation with Zell, Christopher

Excellent! Thank you so much Brian 😊

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**From:** Nickel, Brian  
**Sent:** Friday, October 05, 2018 2:31 PM  
**To:** Zell, Christopher <zell.christopher@epa.gov>  
**Subject:** RE: Conversation with Zell, Christopher

Chris:

See attached for results.

Brian Nickel, E.I.T.

Environmental Engineer  
US EPA Region 10 | Office of Water and Watersheds | NPDES Permits Unit  
Voice: 206-553-6251 | Toll Free: 800-424-4372 ext. 6251 | Fax: 206-553-1280  
[Read my blog](#)  
[Nickel.Brian@epa.gov](mailto:Nickel.Brian@epa.gov)  
<https://www.epa.gov/npdes-permits/about-region-10s-npdes-permit-program>  
*Please conserve natural resources by not printing this message.*

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**From:** Zell, Christopher [<mailto:zell.christopher@epa.gov>]  
**Sent:** Thursday, October 04, 2018 3:57 PM  
**To:** Zell, Christopher <[zell.christopher@epa.gov](mailto:zell.christopher@epa.gov)>; Nickel, Brian <[Nickel.Brian@epa.gov](mailto:Nickel.Brian@epa.gov)>  
**Subject:** Conversation with Zell, Christopher

Zell, Christopher 3:48 PM:

Hi Brian

Nickel, Brian 3:50 PM:

Hello, what can I do for you?

Zell, Christopher 3:50 PM:

Sorry to bother you, but I understand you are the great keeper of the SW toolbox aka, low flow calculator

Nickel, Brian 3:51 PM:

Well, not exactly the keeper but I know a thing or two about it.

Zell, Christopher 3:51 PM:

and .... I am wondering if someone has calculated the 30Q10 on a particular river

Zell, Christopher 3:52 PM:

I could go through IT to have it installed but was wondering if maybe it had been done already?

Nickel, Brian 3:52 PM:

Which river?

Zell, Christopher 3:52 PM:

30Q10 at **USGS 12080010**

Zell, Christopher 3:52 PM:

Deschutes River at Tumwater

Nickel, Brian 3:54 PM:

I doubt anyone in NPU has calculated flows for that river. Ecology might have, though.

Zell, Christopher 3:54 PM:

Ok thank you for being so responsive (as always)(y)

Nickel, Brian 3:54 PM:

I can do it easily enough. Do you want to use the whole period of record, or just, say, the last 30 years or so?

Zell, Christopher 3:55 PM:

that would be great if not too much hassle

Zell, Christopher 3:55 PM:

the POR of 1991 - 2016

Nickel, Brian 3:56 PM:

OK. I'll do that by COB tomorrow.

Zell, Christopher 3:56 PM:

sweet! You rock